

Investigating the Mechanism of Phenol Photooxidation

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Citation Report

#	ARTICLE	IF	CITATIONS
6	Lifetimes of Triplet Dissolved Natural Organic Matter (DOM) and the Effect of NaBH ₄ Reduction on Singlet Oxygen Quantum Yields: Implications for DOM Photophysics. Environmental Science & Technology, 2012, 46, 4466-4473.	10.0	168
7	Investigating the Mechanism of Hydrogen Peroxide Photoproduction by Humic Substances. Environmental Science & Technology, 2012, 46, 11836-11843.	10.0	142
8	Chemical Oxidation of Dissolved Organic Matter by Chlorine Dioxide, Chlorine, And Ozone: Effects on Its Optical and Antioxidant Properties. Environmental Science & Technology, 2013, 47, 11147-11156.	10.0	244
9	Singlet Oxygen Formation from Wastewater Organic Matter. Environmental Science & Technology, 2013, 47, 8179-8186.	10.0	238
10	Chromophoric dissolved organic matter (CDOM) in the Equatorial Atlantic Ocean: Optical properties and their relation to CDOM structure and source. Marine Chemistry, 2013, 148, 33-43.	2.3	127
11	Quenching and Sensitizing Fullerene Photoreactions by Natural Organic Matter. Environmental Science & Technology, 2013, 47, 6189-6196.	10.0	18
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15	Indirect Photochemistry in Sunlit Surface Waters: Photoinduced Production of Reactive Transient Species. Chemistry - A European Journal, 2014, 20, 10590-10606.	3.3	325
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17	The importance of charge-transfer interactions in determining chromophoric dissolved organic matter (CDOM) optical and photochemical properties. Environmental Sciences: Processes and Impacts, 2014, 16, 654-671.	3.5	267
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25	Dual Roles of Dissolved Organic Matter as Sensitizer and Quencher in the Photooxidation of Tryptophan. <i>Environmental Science & Technology</i> , 2014, 48, 4916-4924.	10.0	160
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27	Enhanced Photoproduction of Hydrogen Peroxide by Humic Substances in the Presence of Phenol Electron Donors. <i>Environmental Science & Technology</i> , 2014, 48, 12679-12688.	10.0	41
28	Relation between Optical Properties and Formation of Reactive Intermediates from Different Size Fractions of Organic Matter. <i>ACS Symposium Series</i> , 2014, , 159-179.	0.5	17
29	Photochemical generation of photoactive compounds with fulvic-like and humic-like fluorescence in aqueous solution. <i>Chemosphere</i> , 2014, 111, 529-536.	8.2	48
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34	Photosensitizing and Inhibitory Effects of Ozonated Dissolved Organic Matter on Triplet-Induced Contaminant Transformation. <i>Environmental Science & Technology</i> , 2015, 49, 8541-8549.	10.0	80
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43	Impacts of Polar Changes on the UV-induced Mineralization of Terrigenous Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2016, 50, 6621-6631.	10.0	15
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46	Probe Compounds to Assess the Photochemical Activity of Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2016, 50, 12532-12547.	10.0	214
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53	Molecular Composition and Photochemical Reactivity of Size-Fractionated Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2017, 51, 2113-2123.	10.0	163
54	Emerging investigator series: dual role of organic matter in the anaerobic degradation of triclosan. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 499-506.	3.5	8
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56	Significant changes in the photo-reactivity of TiO ₂ in the presence of a capped natural dissolved organic matter layer. <i>Water Research</i> , 2017, 110, 233-240.	11.3	18
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65	The effect of probe choice and solution conditions on the apparent photoreactivity of dissolved organic matter. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1040-1050.	3.5	35
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#	ARTICLE	IF	CITATIONS
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84	Singlet Oxygen Phosphorescence as a Probe for Triplet-State Dissolved Organic Matter Reactivity. <i>Environmental Science & Technology</i> , 2018, 52, 9170-9178.	10.0	82
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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115	Fluoroquinolone antibiotics sensitized photodegradation of isoproturon. <i>Water Research</i> , 2021, 198, 117136.	11.3	21
116	Relationships between the Physicochemical Properties of Dissolved Organic Matter and Its Reaction with Sodium Borohydride. <i>Environmental Science & Technology</i> , 2021, 55, 10843-10851.	10.0	15
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#	ARTICLE	IF	CITATIONS
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139	The determination and prediction of the apparent reaction rates between excited triplet-state DOM and selected PPCPs. <i>Science of the Total Environment</i> , 2023, 881, 163117.	8.0	2
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147	Dissolved black carbon mediated photo-oxidation of arsenic(III) to arsenic(V) in water: The key role of triplet states. <i>Chemosphere</i> , 2024, 347, 140718.	8.2	0
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149	Photo-Reactivity of dissolved black carbon unveiled by combination of optical spectroscopy and FT-ICR MS analysis: Effects of pyrolysis temperature. <i>Water Research</i> , 2024, 251, 121138.	11.3	0
150	Effects of dissolved organic matter and halogen ions on phototransformation of pharmaceuticals and personal care products in aquatic environments. <i>Journal of Hazardous Materials</i> , 2024, 469, 134033.	12.4	0